

### TECHNICAL PAPERS

#### REACTOR SAFETY

- 129** The Impact of Uncertainties on the Performance of Passive Systems / *Lorenzo P. Pagani, George E. Apostolakis, Pavel Hejzlar*
- 141** Development of a Criticality Evaluation Method Considering the Particulate Behavior of Nuclear Fuel / *Mikio Sakai, Toshihiro Yamamoto, Minoru Murazaki, Yoshinori Miyoshi*

#### FUEL CYCLE AND MANAGEMENT

- 150** Dynamics of Critical Dedicated Cores for Minor Actinide Transmutation / *S. Massara, J. Tommasi, M. Vanier, O. Köberl*

#### THERMAL HYDRAULICS

- 175** Impact of Pin-by-Pin Thermal-Hydraulic Feedback Modeling on Steady-State Core Characteristics / *Akio Yamamoto, Tsutomu Ikeno*
- 189** Thermal Interaction Between Molten Metal Jet and Sodium Pool: Effect of Principal Factors Governing Fragmentation of the Jet / *Satoshi Nishimura, Izumi Kinoshita, Ken-Ichiro Sugiyama, Nobuyuki Ueda*
- 200** Integral Test and Engineering Analysis of Coolant Depletion During a Large-Break Loss-of-Coolant Accident / *Yong Soo Kim, Chang Hwan Park, Byoung Uhn Bae, Goon Cherl Park, Kune Yull Suh, Un Chul Lee*

#### REPROCESSING

- 217** Development of a New Aqueous Process for Nuclear Fuel Reprocessing: Hot Tests on the Recovery of U and Pu from a Nitric Acid Solution of Spent LWR Fuel / *Yuezhou Wei, Tsuyoshi Arai, Harutaka Hoshi, Mikio Kumagai, Aimé Bruggeman, Patrick Goethals*

#### RADIOISOTOPES

- 232** Chlorine Release from Hypalon Cable Insulation During Severe Nuclear Reactor Accidents / *Ari Auvinen, Riitta Zilliacus, Jorma Jokiniemi*